Microsoft

.net developer training

Create XML Web Services and Applications with Visual Studio .NET

Train the Trainers

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Welcome

- Goal of the .Net Developer Train the Trainer (TPREP)
  - Train you on the content
  - Get you involved in the content
  - Help you be successful
- We have in the audience
  - 3rd Party Trainers
  - Regional Director
  - CTECs
  - MS guys who support E2A/JDP

Guidance for next 3 days

- Let Billy and Ken deliver the training as it would be delivered
  - We will capture your questions during these sessions
  - Get your feedback
- 30 Minutes or less for questions and issues
- We can make small content changes but not big ones
- Keep the content moving along
- Provide us the right feedback at the right time in the right format
- This is delivered in both Large Venues (Road Shows), CTECs small sites

Things you should have

- VS .NET EE edition and VS .NET Pro DVD
- W2K Pro or Server or Win XP Pro RC2 or RTM
  - Office XP, SQL 2000
- Trainer Resource CD (TRCD)
  - Do not make copies of this CD or give anything on this CD to anyone
- OCH account
- iPAQ is nice to have to do the demo

Things you need to do

- You will get the Training Resource CD (TRCD) this week
- Get a OCH (One Click Hosting account) with ERAServer (contact Mike Amundsen)
- Have a serious read of the Beta 2 Readme
- Check out the FAQs on the TRCD
- Have a look at the TechEd Slides on .NET TRCD
- Get your laptop setup with BETA2 and the demos now and practice – Drive Image it!
- Practice the Demos

Opening Gambit for Microsoft .NET

- Get off to a good start
  - Why should people care about .NET?
  - It is important to set the stage properly
- Have a good opening Gambit for .NET
  - Billy Hollis has a good one with AirCraft
    - “.NET is a clean slate design” – Billy Hollis
- For standards and XML Web services
  - Railroad tracks in the early days didn’t work together (see notes on this page)
  - Understand ECMA and what we have submitted
- Careful positioning with HailStorm
  - Proper talking points (i.e. FAQs)

Burning questions people have

- Design Time and Runtime platforms supported
- Can I call an Win32 API from .NET
- When will the product ship?
  - All questions about BETA 2 – Use FAQ on MSDN
- Beta 1 to Beta 2 Changes
- Can you install .NET and my current stuff on the same server?
- Languages C#, VB.NET, C++
- Support on other platforms - Standards
- JAVA JAVA JAVA
- What is the difference between Runtime and ASP.NET browser based applications
- MIT and .NET Compact Framework
- Remoting and DCOM and Web Services
- Windows Forms and Web Forms
- Garbage Collection – Deterministic Finalization
  - Dispose, calling gc
- IL and obfuscation

Change your System and IDE to the right FONT first

- If people can see you screen and the code, they wont learn anything
- Set you Windows to Large Font
  - Right click on desktop, appearance, font size = large
- VS .NET Beta 2 (options)
  - Text Editor = Lucida Console 11 pt
  - Text Output Tool Window = Courier new 10pt
  - Dialogs and Tool Windows = Tahoma Bold 8 pt

Demos #1

1. Make sure your font is the Big size for the Code Window and Dialog
   - Ask the person in the back
2. Make sure they can hear you
3. Code real estate (Maximize the size of what is important, the code)
4. Use autohide
5. DOS window should be big font as well
6. Shortcuts, Favorites, use the

Demos #2

8. We are using ‘TODO for places to find in code
9. No guessing in demos, have the code, know it, demo it
10. Adhoc demos look like adhoc demos, stick to a script
11. Look up at your audience, don’t get too focused on your own screen
12. Remember those features that fascinated you when you first learned them and express that enthusiasm every time you show that feature
13. Turn Option Strict On
14. Minimize going back and forth from Slides to demos (especially if the AV equipment doesn’t switch good)
15. Turn off suspend, screen saver, screen blank,

Demos #3

16. Hide the task bar
17. Minimize clutter on desktop, menus, etc
18. Setup your machine for the event, not your personal machine
19. Maximize each window you are demoing, one window, one thing at a time, stay focused, don't wander
20. Keep the defaults for the IDE if possible
    - That is what the new guys will be familiar with

Venue Information

- Internet Connections (in most locations)
  - Get cable modem/DSL access in your hotel room!
- Logistics
  - Arrive early for setup, test everything out
  - Start and end times, breaks, meals
  - http://msdn.microsoft.com/events/devtraining/
- Who to call with Venue issues (Roadshows only)
  - Someone will be on site
  - Tim McAfee
    - Email: timmcaf@microsoft.com
    - Cell: 206-779-3707
    - Work: 425-706-6012
  - Content issues: Ken Spencer

Things you shouldn't do

- Don't apologize for Beta 2 or anything
- If you demo doesn't work, its your fault
- Don't talk too much on non Microsoft languages
  - These people are programming in VB, C++ or C#
- Ask the audience too many questions
  - The 4 that I recommend
    - How many people have installed and used Beta1, Beta2?
    - How many people know or program in Visual Basic?
    - How many people are Web Developers?

Being a good Presenter #1

- Know where you are at, what time it is, where you should be at, where you are going
- Stay focused, tell a story, have a flow
- If you don't know the answer, don't answer the question
  - .NET is big, no one knows it all!
- Don't comment on things you shouldn't comment on
- Don't talk to your computer too much
- Don't say I believe, either you know or you don't
- Don't move your mouse around for no reason
- Use the documentation in the product to learn more on a particular topic, it has some

Being a Good Presenter #2

- Don’t talk too much about yourself, they are here for the content
- Minimize your personal opinion on everything
- Don’t be negative about anything, MS, content, .NET, Beta 2, etc.
- Stay focused, be brief
- Repeat all questions, be very brief, just answer the question
- Collect all questions
- Don’t turn your back to the

C# vs. Visual Basic .NET

- **Spend 10 bucks and read this EBOOK**

http://www.desaware.com/Ebook2L2.htm

- **Don’t spend time in religious or emotional wars with people. Take it way off line**
- **If you know VB, use VB .NET**
- **If you know C++, C, JAVA, use C#**
- **Microsoft doesn’t care what language you use, you are FREE to choose!**

Being a Good Developer on .NET
Lessons Learned from Developers

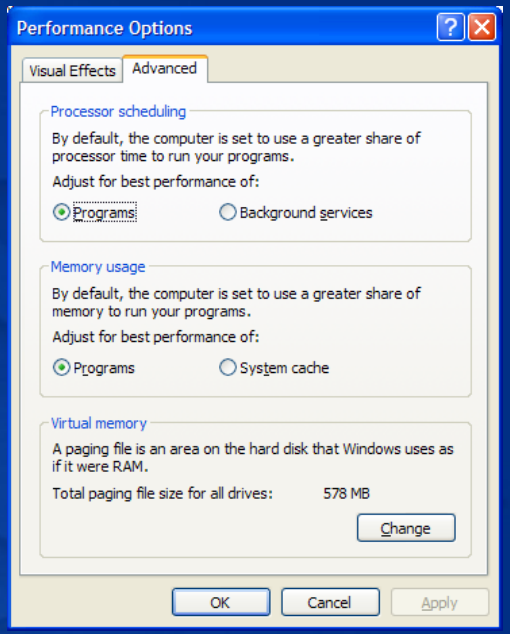
- You could spend 3 weeks to write code for something but chances are a class is already ready to use for you
  - i.e. Encryption, collection classes
- Lesson Learned – Learn the .NET Framework, it does a lot for your

Evaluation Forms

- For Roadshows your bonus is based on your evaluation form and the number turned in
- For Roadshows, you need to maintain a certain score or you will be asked to not do any more presentations
- Attendees turn in completed forms for Tshirt, and other goodies

Demo Performance
How can you speed up your machine?

- Buy more memory
  - 256 Mb or more is recommended
- Page file should be 1.5 times RAM for both numbers initial and max (Win XP ex. >)
- You should check your disk for errors and defrag it
- Make sure processor and memory are both set for programs (Win XP ex. >)
- If possible eliminate any extra weight from the the shell and/or the machine
- Don't show start page on startup (unless you're showing it off) – tools.options setting
- Don't show dynamic help on startup (click on the 'x' to close the window, that config will persist for subsequent startups)
- You could consider not showing the property browser (this helps project load time especially in the case where you're not showing the designer surface)
- Don't run anything extra on your machine that you don't need, e.g. IIS, SQL, services that may be running, etc.
- Close Dynamic Help Window it slows down


Performance Options
Visual Effects
Advanced
Processor scheduling
By default, the computer is set to use a greater share of processor time to run your programs.
Adjust for best performance of:
Programs
Background services
Memory usage
By default, the computer is set to use a greater share of memory to run your programs.
Adjust for best performance of:
Programs
System cache
Virtual memory
A paging file is an area on the hard disk that Windows uses as if it were RAM.
Total paging file size for all drives: 578 MB
Change
OK
Cancel
Apply

Next Steps This is what the ATTENDEE should do

- Install Visual Studio .NET Beta 2
  - Go through the samples
- Use One Click Hosting
  - Host an XML Web service or Web Form
- Create a proof-of-concept project at work
  - Be the .NET expert
- Sign up for additional .NET training
  - 3rd Party training, CTEC lead Training

Note to Trainer: You know you did a good job on day 1 of the training if 50% of the audience installed VS .NET the first night of training!

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